

FACTOR 3

# THE DIMENSIONALITY OF NATIONS PROJECT

FACTOR 2

## RESEARCH REPORT

DIMENSIONALITY OF NATIONS PROJECT

QUARTERLY TECHNICAL REPORT NO. 15

OCTOBER 1, 1971 - DECEMBER 31, 1971

FACTOR 1

DEPARTMENT OF POLITICAL SCIENCE  
UNIVERSITY OF HAWAII



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THE DIMENSIONALITY OF NATIONS PROJECT  
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University of Hawaii

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13. ABSTRACT

In this quarter, Professor R. J. Rummel, the Principal Investigator and Director of the project initiated research on a book which will integrate and present the major work done by the project.

During this quarter, the project's major effort went into data collection. As a result, more than 90 percent of the data was collected by the end of the quarter.

## KEY WORDS

KEY WORDS		LINK A		LINK B		LINK C	
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## INTRODUCTION

This fifteenth quarterly report is divided into seven sections. The first describes the analyses initiated and completed during the quarter; the results of special significance are highlighted. Methodological problems faced during the analyses along with any computer programs that have been written or revised during the quarter are discussed in the second section. In this and the previous section, technical terms and discussions are avoided where possible. The third section describes the data collections begun and completed during the quarter. Current personnel, personnel commitments made and consultation are noted in the fourth section. Project activities are discussed in the fifth section and the sixth section covers project publications, research reports, and monographs in preparation and completed. The final section delineates changes in the DON budget, status of subcontracts, and expenditures to date.

## I. ANALYSES

During this quarter, the principal investigator has begun research on a book which will relate DON's results and theory to the problems of a central nuclear war, and the alternative recommendations for dealing with it, e.g., arms control, mutual disarmament, balance of power, functionalism, integrationism, strengthening the United Nations, etc.

To be more precise, the question the book will consider is: What has the DON Project wrought that enables us to say anything about the probability and conditions of a central war, and the means of lessening this probability.

## II. METHODOLOGY AND COMPUTER PROGRAMS

Final revision of the computer program write-up for the MODULAR FACTOR ANALYSIS PACKAGE developed by Charles Wall has been done. The write-up will be published as DON Research Report No. 83 during the next quarter.

Work on the CODE 0991 PROCEDURE was continued. This will be published as DON Research Report No. 84.

### III. DATA

During this quarter, highest priority was given to the data collection job. A special task force of all research assistants, one graduate assistant, and five work-study students was formed to speed up data collection. The target date for data collection for five selected time points (1950, 1955, 1960, 1963, and 1965) is the end of next quarter (March 31, 1972).

During this quarter, data were collected for the following 51 variables.

#### Variables collected during this Quarter in A-Space:

Var. ID	Variable Name	Year (s)
1. 9	UN Assessment/Total UN Assessment	1965
2. 10	Defense expenditure	1965
3. 12	Bloc membership	1965
4. 13	US aid received + 1/USR and US aid received +2	1965
5. 14	Freedom of opposition	1965
6. 15	IFC and IBRD Subscription/(GNP) <sup>2</sup> per capita	1965
7. 42	Membership in Neutral Bloc	1965
8. 47	Seaborne goods/GNP	1965
9. 49	Unemployed/Economically active population	1965
10. 50	Leading export/Exports	1965
11. 54	Economic Aid Received	1950, 1965
12. 55	Technical Assistant Received	1965
13. 56	Government Education Expenditure/Government Expenditure	1965
14. 57	Percent population with 50% of land	1965
15. 59	Female workers/Economically active	1965
16. 61	Exports/GNP	1965
17. 63	Foreign Mail Sent/Foreign Mail	1965
18. 64	Imports/Trade	1965
19. 71	Political Parties	1960, 1965
20. 73	Communist Party Membership/Population	1960, 1965
21. 74	Government Expenditure/GNP	1960, 1965
22. 77	Pupils in primary school/primary school teachers	1960
23. 78	Legality of government change	1965
24. 79	Legitimacy of present government	1965
25. 83	UN delinquencies/assessment	1965
26. 86	System style	1955, 1965
27. 87	Constitutional Status	1955, 1965
28. 88	Electoral System	1955, 1965
29. 89	Non Communist Regime	1955, 1965
30. 90	Political Leadership	1955, 1965
31. 91	Horizontal power distribution	1955, 1965
32. 92	Military Participation	1955, 1960, 1965
33. 93	Bureaucracy	1955, 1960, 1965
34. 97	Censorship score	1955, 1960, 1965

Variables collected during this Quarter in B-Space:

Var. ID	Variable Name	Year (S)
1. 36	Military Aid	1965
2. 37	Relative Military Aid	1965
3. 44	Students	1950
4. 45	Relative Students	1950
5. 46	Exports	1965
6. 47	Relative Exports	1965
7. 48	Exports/A's GNP	1965
8. 49	Largest commodity export A+B/A's total export	1955, 1965
9. 58	Embassies and Legations	1960, 1965
10. 59	Relative Embassies and Legations	1960, 1965
11. 66	Time since on opposite sides of a war	1960, 1965
12. 67	Time since on same sides of a war	1960, 1965
13. 68	A has lost, and not regained, territory to B since 1900	1955, 1960, 1965
14. 69	A once a colony, territory or part of homeland of B	1955, 1965
15. 70	Independence of A and B predates 1946	1965
16. 71	Common bloc membership	1965
17. 72	Bloc position	1965

IV. PERSONNEL

4.1 Project Director

Professor R. J. Rummel, Director of DON, initiated research on a book which will subsume all major empirical work done by the project in the past ten years (for more details, see I. of this report).

4.2 Assistant Director

Dr. Sang-Woo Rhee, Assistant Director of DON, has directed the data collection effort all through the quarter.

During this period, Dr. Rhee has begun a cross-time analysis of the relationship between a nation's verbal communication toward other nations and the attribute distances for the corresponding dyads of nations. For this research, he selected Communist China as the actor nation and nine nations including the USA, the USSR and JAPAN as the object nations.

Data for attribute distances were collected for seventeen years (1950-1966) for thirty-one variables. Data collection for Chinese verbal communication has just begun.

Dr. Rhee also wrote three short articles for the Chosun Ilbo, a Korean daily newspaper published in Seoul, Korea: "Communist China's Relations With the Powers"; "Communist China's Foreign Behavior--Ten Years From Now," and "Maoism and Communist China's Foreign Behavior."

#### 4.3 Associate Researcher

Professor George Kent's major effort during the quarter was devoted to preparation of a new manuscript on "Prescribing Foreign Policies," soon to be released as a DON Research Report. He also worked on organizing a Peace Studies Section for the International Studies Association, and made preparations for a conference on World Order Models Design to be held in July 1972, under the auspices of the World Law Fund. His essay on "The Application of Peace Studies" was published during this period in the Journal of Conflict Resolution.

#### 4.4 Research Assistants

Four research assistants have worked for the project during this period. Chang-Yoon Choi, John McIlroy, Edward Schwerin, and Peter Sybinsky, all graduate students working for their PH.Ds in international relations, were engaged in preparing jobs for data analyses scheduled in the next quarter.

Also three un-paid graduate assistants, George Omen, Yong-ok Park and Mike Zavatsky have worked for the project during the period. Mr. Zavatsky, however, left for East Asia at the end of December for his field study.

#### 4.5 Other staff members

We have had four specialists work for the project during the period: Charles Wall (Computer Programmer), Sumie Ono (Data Archivist), Ora Mae Barber (Administrative Assistant) and Grace Rummel (Proof Reader).

### V. DON ACTIVITIES

#### 5.1 DON Staff Meeting

During this quarter, staff meetings were held every other week. Most of the meetings were devoted to discussions of technical problems occurring on routine jobs.

On exceptional occasions, we had meetings with a specific topic. The speakers and their topics of discussion were: Charles Wall (Revised Version of CODE 0991 SYSTEM); R. J. Rummel (Data Error; Key Sort Method); and Yong-ok Park (Some Problems in the Application of Statistical Models to Social Sciences).

### VI. PUBLICATIONS AND REPORTS

Manuscripts in progress.

VII. BUDGET

7.1 Fiscal Status

7.1.1 Amount Funded

The total amount (09-01-67 to 08-31-72) is \$871,846.00 of which \$219,000 is funding for year -05 (09-01-71 to 08-31-72).

7.1.2 Estimated Expenditures and Commitments:

Total Expenditures to date (09-01-67 to 12-31-71) \$723,473.48

Total Estimated Expenditures (09-01-67 through 08-31-72) \$871,846.00

7.1.3 Estimated Funds Required: Approximately \$880,000. This takes into account the five-year research plan of the project, which is currently being funded in its final year.